

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 13 BUSINESS AND ZION ROAD/ WEST ZION ROAD IN WICOMICO COUNTY. THE MODIFICATION SHALL CONSIST OF REMOVAL OF THE EXISTING MAINLINE BACK DETECTION LOOPS AND THE INSTALLATION OF NEW MICROLOOP PROBES. ALSO THE EXISTING PRESENCE DETECTION LOOPS SHALL BE REMOVED AND REPLACED WITH VIDEO DETECTION EQUIPMENT. THE EXISTING BASE MOUNTED CONTROLLER SHALL BE RETROFITTED TO ACCOMMODATE THE NEW VIDEO DETECTION EQUIPMENT.

INTERSECTION OPERATION

THE EXISTING INTERSECTION PHASING OPERATES IN A FULLY ACTUATED MODE USING 7 NEMA PHASES.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. GENE COFIELL, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 677-4040
MR. RAVINDRA GANVIR, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 677-4020
MR. JAMES R. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 677-4010
MR. BRUCE W. POOLE, UTILITY ENGINEER
PHONE: (410) 677-4082
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST

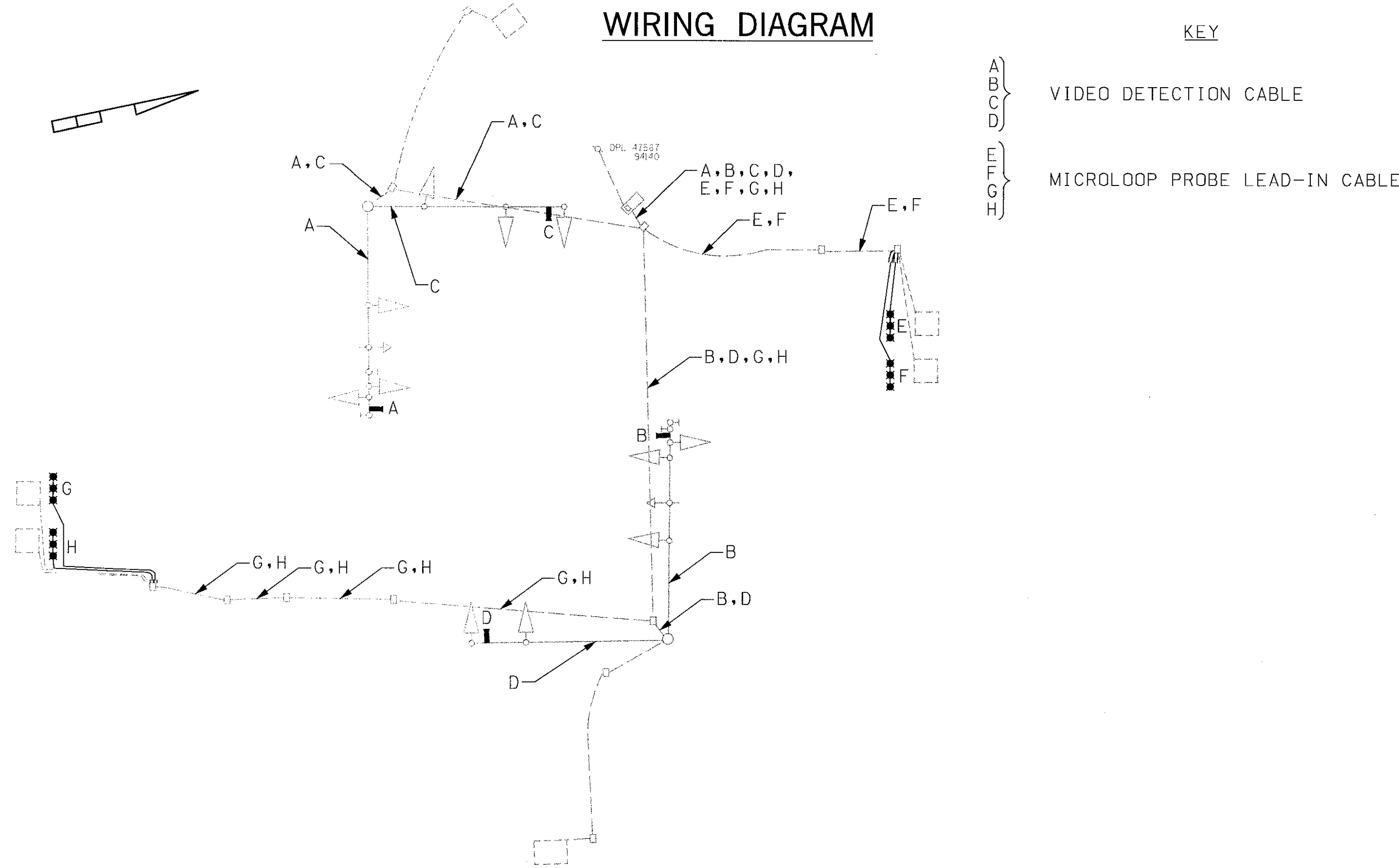
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	INSTALL VIDEO DETECTION INTERFACE EQUIPMENT	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	LS	1
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	25
810550	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE	EA	2
810555	MICROLOOP PROBE, 1000 FOOT LEAD IN CABLE	EA	2
816001	VIDEO DETECTION CAMERA	EA	4
816005	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	4
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	190

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	
PHASE 1 AND 5	<RG	<RG	R	<RG	<RG	R	R	R	R	R	R	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6												
PHASE 1 AND 6	<GG	<GG	G	R	R	R	R	R	R	R	R	
1 AND 6 CHANGE	<YG	<YG	G	R	R	R	R	R	R	R	R	
PHASE 2 AND 5	R	R	R	<GG	<GG	G	R	R	R	R	R	
2 AND 5 CHANGE	R	R	R	<YG	<YG	G	R	R	R	R	R	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	
PHASE 3 AND 8	R	R	R	R	R	R	R	R	R	<GG	G	
3 AND 8 CHANGE	R	R	R	R	R	R	R	R	R	<YG	G	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	G	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	Y	
PRE-EMPTION 1	<GG	<GG	G	R	R	R	R	R	R	R	R	
PRE-EMPTION 1 CHANGE	<YG	<YG	G	R	R	R	R	R	R	R	R	
PRE-EMPTION 2	G	G	G	G	G	G	R	R	R	R	R	
PRE-EMPTION 2 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	

GP-14

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MD MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION PLAN
US 13 BUSINESS AT ZION ROAD /
WEST ZION ROAD

DRAWN BY: J. WEAVER	F.A.P. NO.	TS. NO.	SHEET NO.
CHECKED BY: S. RENZI	S.H.A. NO.	1855 C-62	
SCALE: 1" = 20'	COUNTY: WICOMICO	T.I.M.S. NO.	
DATE: 03/03/04	LOG MILE: 22B01307.76	621 OF	